



WORK ORDER 2008-04

Date opened: 6 February 2008

Project: Quick Release Cargo Basket Assembly
Type: Eurocopter AS350/355 Series

Batch Quantity: 2 Complete Basket Assembly (77610-01)

Approval: ~~Pending~~ SH08-16
Drawing List: DCL776-3

Fabrication and Assembly Drawing(s)	Description
77610, Rev. 0	Basket Ass'y
77611, Rev. 0	Basket Body Ass'y
77612, Rev. 0	Basket Lid Ass'y
36255, Rev. 1	Handle Installation
36261, Rev. 4	Handle Bar Ass'y
36262, Rev. 1	Handle Bracket Ass'y

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	<u>Y</u> ✓
Document Control List revision level matches (or exceeds) STC:	<u>Y</u> ✓
Drawings revision levels match Document Control List:	<u>Y</u> ✓
Purchase order or Work order source is recorded for each part/ass'y:	<u>Y</u> ✓
Tests and inspections specifically called out on drawings are complete:	<u>Y</u> ✓
Release tags associated with all fabricated parts are attached:	<u>Y</u> ✓
All mounting hardware and supplies are included:	<u>Y</u> ✓

List all non-conformities raised: _____


Inspector Signature:
Date:

Drawing: 77610 Revision 0
 Assembly: 77610-01 Cargo Basket Ass'y (Quick-Release, Short, 57.25" long)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	77610-01	Cargo Basket Assembly			
1	77611-01	Basket Body Assembly	Below		
1	77612-01	Basket Lid Assembly	Below		
1	36255-01	Handle Bar Installation	Below		
1	36280-01	Brace Assembly	9-2081 Brace	7005	
1	MS20001P4	Piano Hinge		6038	
1	77627-01	Placard	0.063 Sheet, 6061-T6 Aluminum	960708	
3	49205-14	Bumper	Argus Industries Bumper	6038	
A/R	CR3213-4-02	Cherry Rivet		8020	
4	40088-14	Fitting	Ancra	6058	
4	AN960-616	Washer		6016	
1	AN3-15A	Bolt		6016	
1	AN3-17A	Bolt		6066	
4	AN960-10	Washer		6043	
2	AN970-3	Washer		5026	
2	MS21044N3	Nut		6016	

Processes	Per	Mat'ls Used	Inspection	Signature
Riveting	AC43.13-1B	CR3213-4-02 Rivets		gc
Final Inspection	Drawing 77610			gc.

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 77611 Revision 0
 Assembly: 77611-01 Basket Body Ass'y (Quick-Release, Short, 57.25" long)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	77611-01	Basket Body Assembly			
2	76421-01	Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	8007	
2	76422-01	Attachment Hoop	4130 Steel, 1/2" x 0.035 Sqr. Tube	8007	
A/R		Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	8007	
A/R		Tube	4130 Steel, 1/2" x 0.035 Sqr. Tube	8007	
1	36262-01	Handle Bracket Assembly	Below		
1	49215-01	Spacer	1018 Steel, 1/2" Rod	951108	
A/R	3/4-16F	Mesh	Expanded carbon steel	7029	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		<i>[Signature]</i>
Powder Coat	Drawing 77611			<i>[Signature]</i>
Final Inspection	Drawing 77611			<i>[Signature]</i>

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Drawing: 77612 Revision 0
Assembly: 77612-01 Basket Lid Ass'y (Quick-Release, Short, 57.25" long)

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	77612-01	Basket Lid Assembly			
A/R		Tube	4130 Steel, 3/4" x 0.035 Sqr. Tube	8007	
1	49216-01	Spacer	1018 Steel, 1/2" Rod	951108	
1	36262-01	Upper Handle Bracket Assembly	Below		
1	36204-10	Placard Bracket	1018 Steel, 0.035" Sheet	9516042	
A/R	3/4-16F	Mesh	Expanded carbon steel	7029	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER70S-2		J.P.
Powder Coat	Drawing 77612			J.C.
Final Inspection	Drawing 77612			J.C.

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 36255 Revision 1
Assembly: 36255-01 Handle Installation

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	36255-01	Handle Installation			
1	36261-01	Handle Bar Assembly	Below		
2	36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	7004	
2	36275-01	Bushing	SAE 660 Bronze, 5/16" Dia	6068	
2	AN3-14A	Bolt		6071	
4	AN960-10	Washer		6043	
2	MS21044N3	Nut		6016	

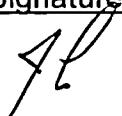

Processes	Per	Mat'ls Used	Inspection	Signature
Final Inspection	Drawing 36255			<i>JK.</i>

Tag incomplete parts with Work Order # when stored between processes.

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Drawing: 36261 Revision 4
Assembly: 36261-01 Handle Bar Assembly

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	36261-01	Handle Bar Assembly			
1	36277-01	Handle Bar	316 Stainless, 1.0 x 0.035 Rnd. Tube	6006	
2	36271-01	Lever	304 Stainless, 0.105 Sheet	7006	
2	36274-01	Bushing	304 Stainless, 7/16" x 0.065 Rnd. Tube	2005	
2	MS20615-4M3	Rivet		7039	


Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 36261			

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Drawing: 36262 Revision 1
Assembly: 36262-01 Handle Bracket Assembly

Qty Per	Part #	Description	Material	P.O./W.O.	Checked
2 Total	36261-01	Handle Bracket Assembly			
1	36272-01	Basket Bracket	321 Stainless, 0.050 Sheet	3021	
2	36273-01	Lid Bracket	321 Stainless, 0.050 Sheet	3021	
2	36275-02	Support	304 Stainless, 5/16" Rod	6003	

Processes	Per	Mat'ls Used	Inspection	Signature
Welding	AMS 2685C	Welding Rod ER308L		
Final Inspection	Drawing 36262			

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Quick Release Cargo Basket (Short) Part #: 77610-01

Approval #: SH08-16 Serial #: 77601-01

WO #: 2008-04 Quantity: 1

Eligibility: Eurocopter AS350 / AS355 Series Work Status: Manufactured

Remarks: _____

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

April 11/08
Date

[Signature]
Inspector's Signature

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Quick Release Cargo Basket (Short) Part #: 77610-01

Approval #: SH08-16 Serial #: 77601-02

WO #: 2008-04 Quantity: 1

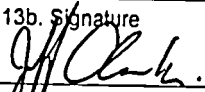
Eligibility: Eurocopter AS350 / AS355 Series Work Status: Manufactured

Remarks: _____

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

April 11/08
Date

[Signature]
Inspector's Signature

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 2013 39 th Avenue NE, Calgary, Alberta, T2E 6R7					5. Work Order/Contract/Invoice WO 2008-04	
6. Item	7. Description Short Cargo Basket	8. Part Number 77610-01	9. Qty. 1	10. Serial/Batch No. 77601-03	11. Status/Work New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.			<input type="checkbox"/> Other regulation specified in block 12			
<input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke		13e. Date (dd/mmm/yyyy) 16 July 2012		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

SARVAIR



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASKET ASSY (AS350 SHIRT) No. of pieces: 1

Manufacturer: AERO DESIGN

Part No.: T740+01 Serial / Batch No.: U/K

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2005-04

Remaining Tasks to be Performed: INSTALL LID BRACE

Signature: [Signature]

Date: 09 AUG 2013 Lic. No. / ACA

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

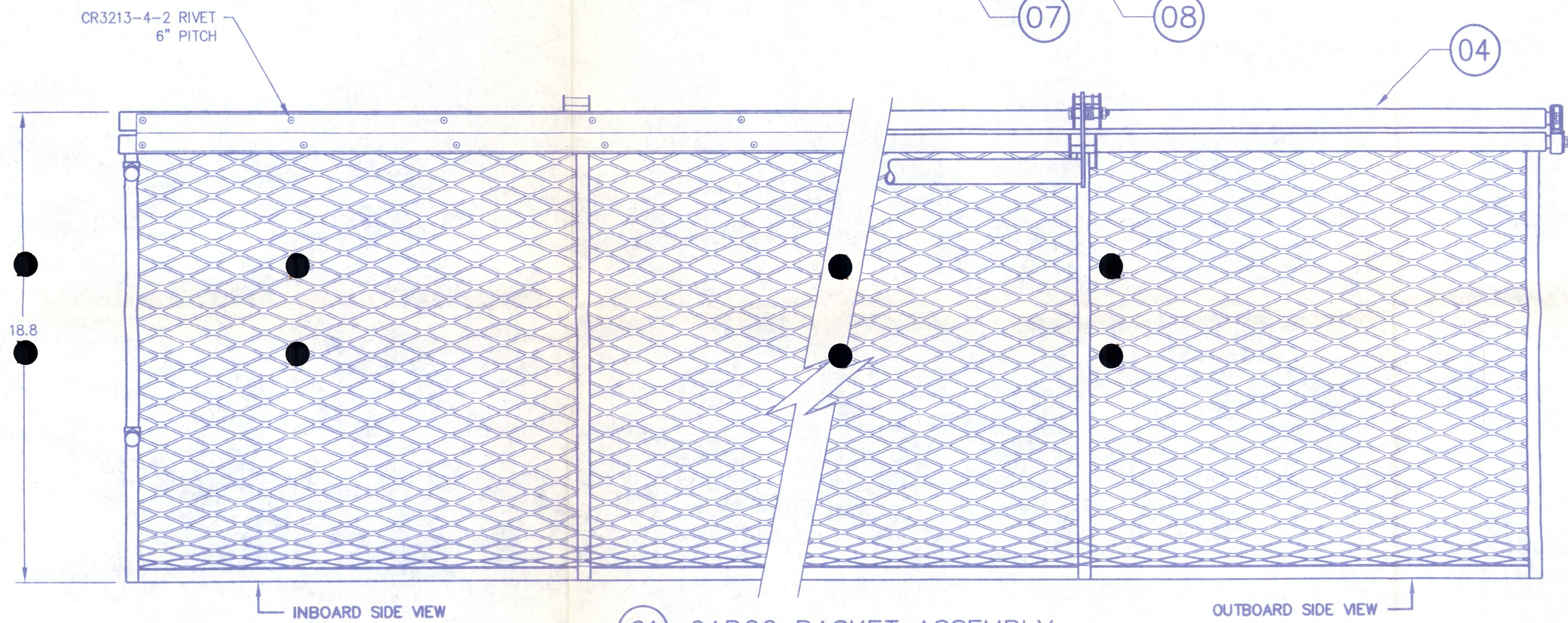
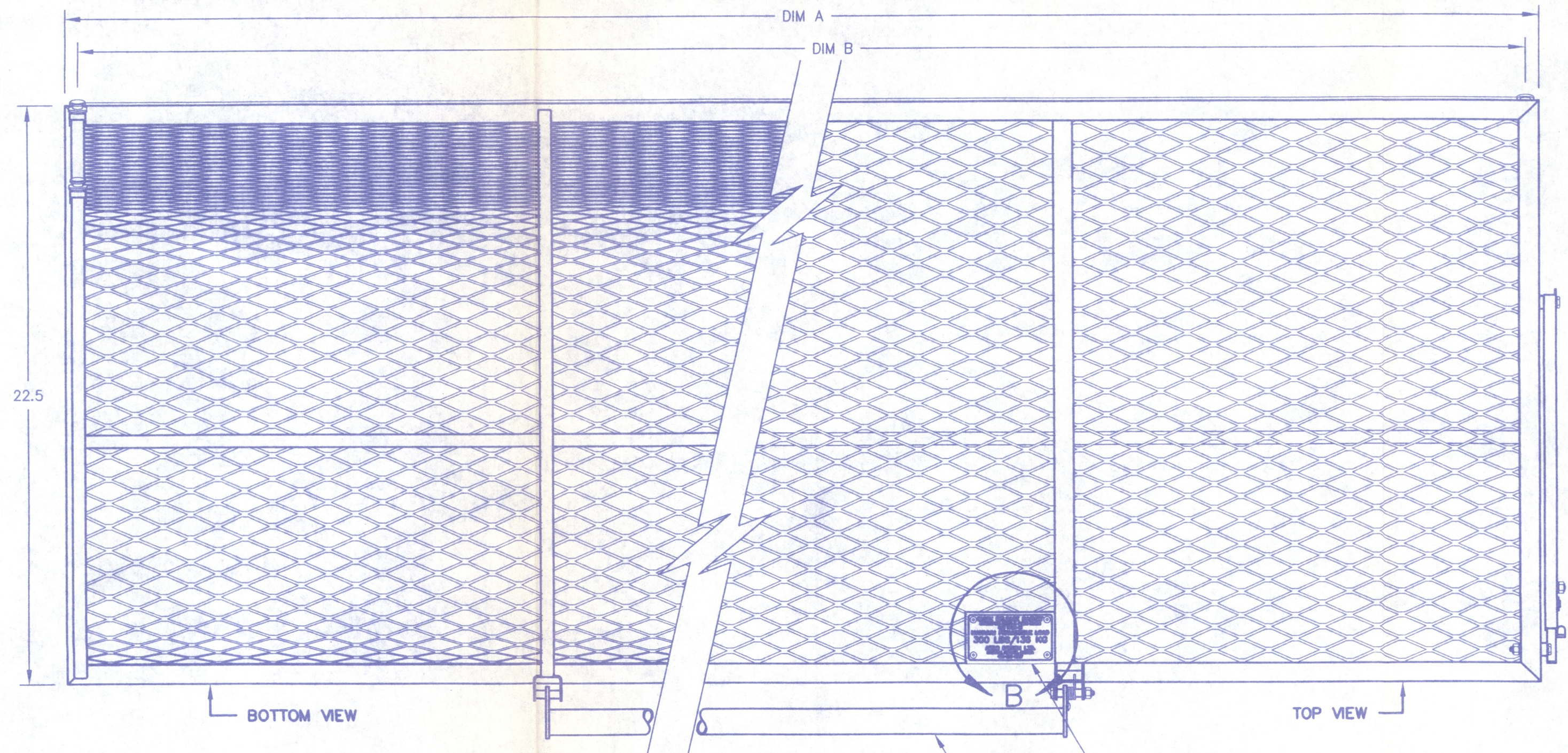
Short HEIGHT - was PROTOTYPE JC

DESTROYED JC

In Process

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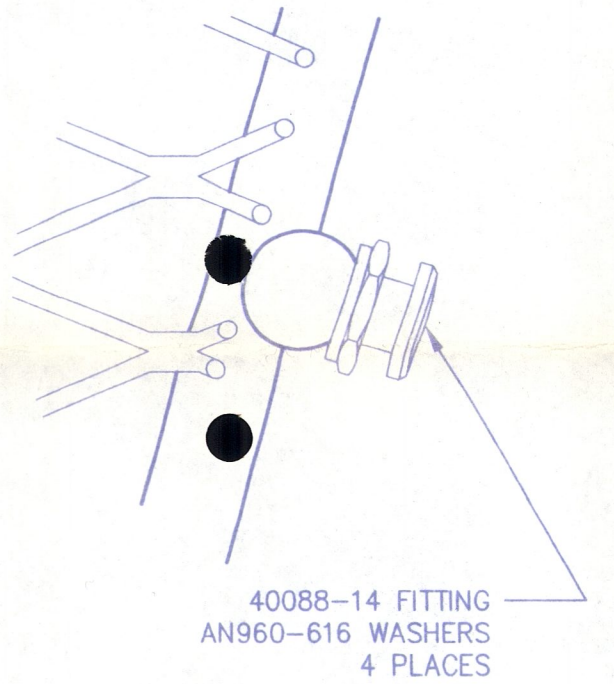
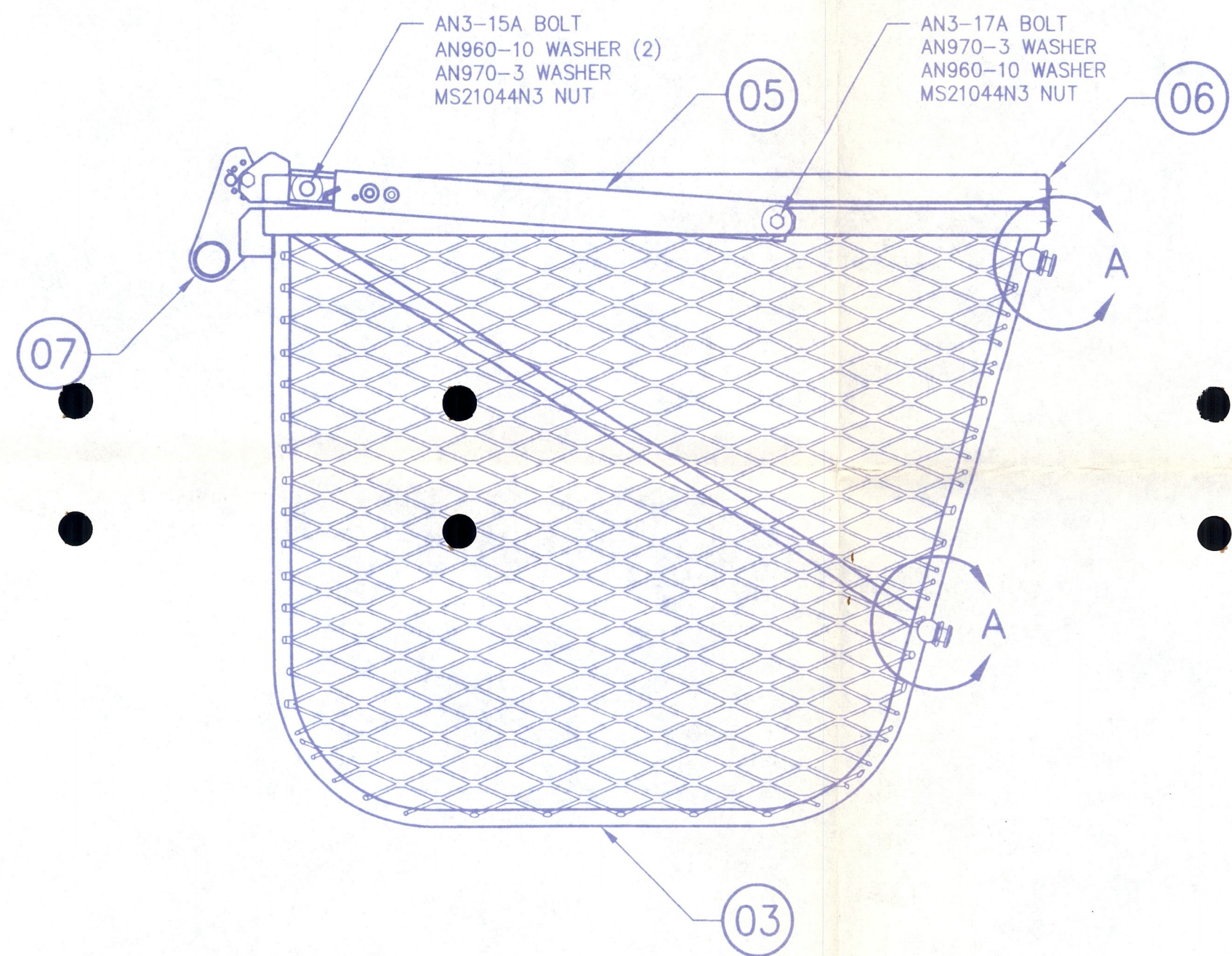
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



01 CARGO BASKET ASSEMBLY

02 CARGO BASKET ASSEMBLY

57.25IN LONG BASKET (77610-01) SHOWN



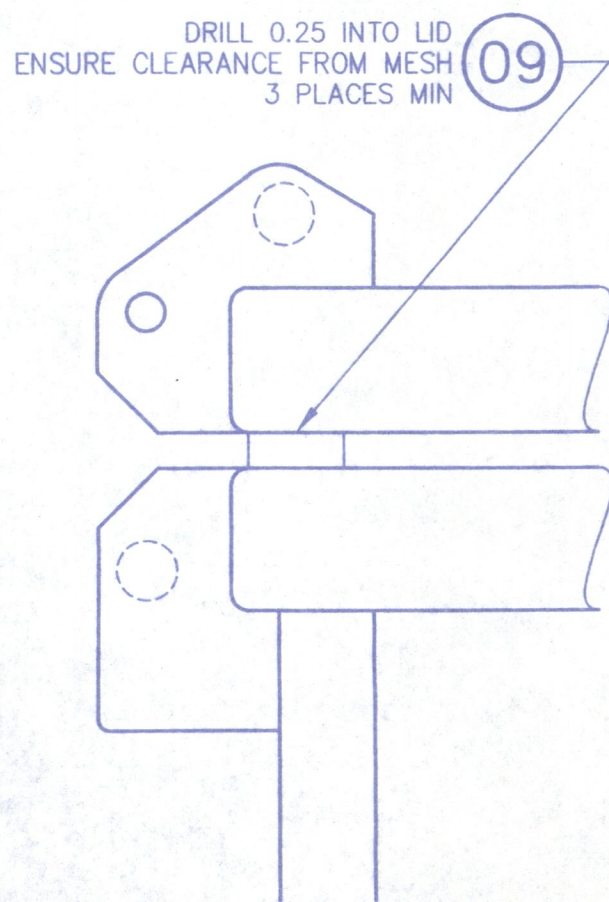
DETAIL A

SCALE 1 : 1
LOOKING AT LOWER ATTACHMENT, UPPER ATTACHMENT SIMILAR
TYPICAL FRONT AND REAR

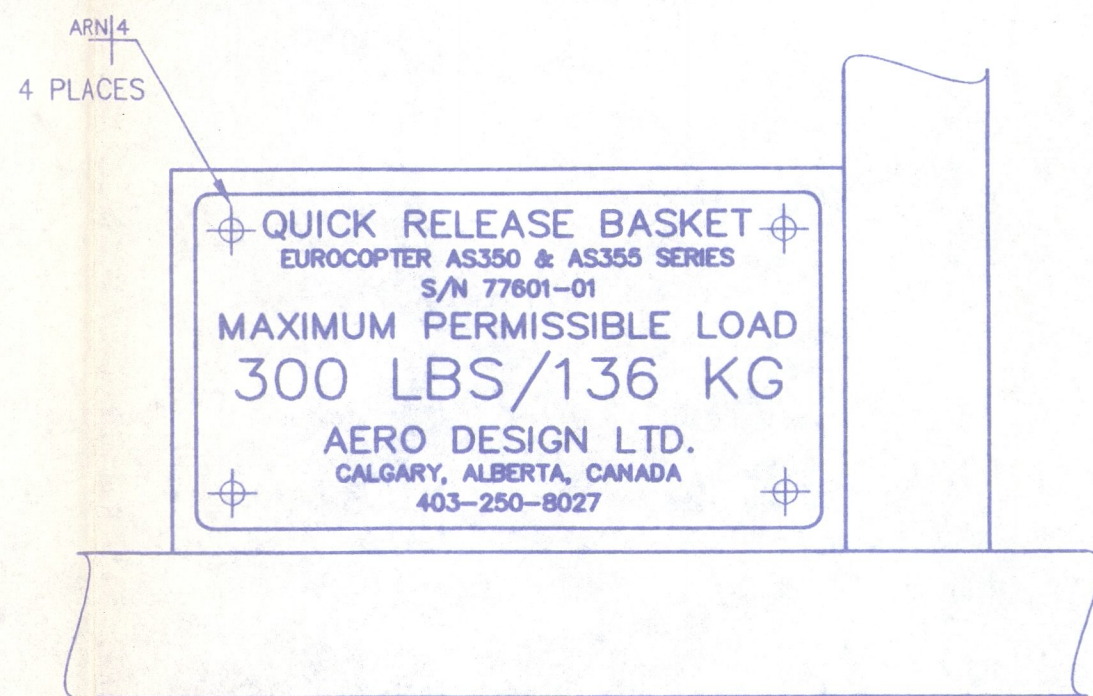
NOTE:

1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

A/R	A/R	AN960-616	WASHER			
4	4	40088-14	FITTING	ANORA		
A/R	A/R	CR3213-4-02	CHERRY RIVET			
3	3	49205-14	09 BUMPER	ARGUS INDUSTRIES		
	1	77628-01	08 PLACARD			
1		77627-01	08 PLACARD			
1	1	36255-01	07 HANDLE BAR INSTALLATION			
A/R	A/R	MS20001P4	06 PIANO HINGE			6 FEET LONG
1	1	36280-01	05 BRACE ASSEMBLY			
1		77612-02	04 LID ASSEMBLY			
	1	77612-01	04 LID ASSEMBLY			
1		77611-02	03 BASKET BODY ASSEMBLY			
	1	77611-01	03 BASKET BODY ASSEMBLY			
		77610-02	02 CARGO BASKET ASSEMBLY	SEE TABLE 1 - BASKET BODY CONFIGURATIONS		
		77610-01	01 CARGO BASKET ASSEMBLY	SEE TABLE 1 - BASKET BODY CONFIGURATIONS		
02	01	PART NO.	ITEM	DESCRIPTION	MATERIAL	STOCK SIZE
QTY		LIST OF MATERIALS				



BUMPER INSTALLATION
SCALE 1 : 1



DETAIL B

SCALE 1 : 1
LOOKING AT PLACARD BRACKET
PLACARD FOR BASKET ASSEMBLY 77610-01 SHOWN

77610-02	61.25	60.25
77610-01	57.25	56.25

TABLE 1 - BASKET BODY CONFIGURATIONS
REF ONLY

BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS	DATE
REF. NAS 523	N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE	DRAWN: JEFF CLARKE	19 FEB 08
C=COUNTERSUNK D=DIMPLE	DASH NO. FOR LENGTH	CHECKED: E. BURGOIN	
DIGIT=# OF SHEETS TO BE DIMPLED		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1	
BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARM=CR3212	INSTALL NEW RIVET REMOVE/REPLACE RIVET EXISTING RIVET	AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca	
		EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET BASKET ASSEMBLY	
		SCALE 1 : 4	DWG. SIZE
		SHEET 1 OF 1	DWG. NO.
		A1	77610
		0	REV.